

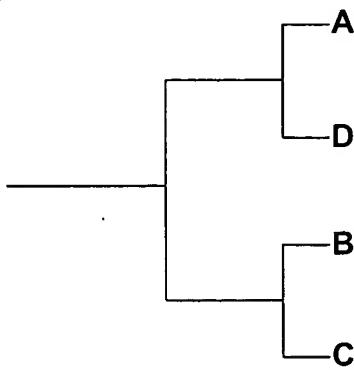
**Figure 1-A**

Sample Number		Experiment Number			
		Experiment 1	Experiment 2	Experiment 3	Experiment 4
	Genotype 1	13	27	5	52
	Genotype 2	38	54	28	50
	Genotype 3	18	36	17	60
	Genotype 4	17	25	7	50

**Figure 1-B**

	G1	G2	G3	G4
G1	100			
G2	68	100		
G3	77	96	100	
G4	97	85	72	100

**Figure 1-C**



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*Appl. No.: Unknown*      *Atty Docket: DECLE62.001A*

**FIGURE 2-A**

	G1	G2	G3
G1	100		
G2	97	100	
G3	70	86	100

	G1	G2	G3
G1	100		
G2	93	100	
G3	76	80	100

S<sub>1</sub>



S<sub>2</sub>

$$S_C = \frac{S_1 + S_2}{2}$$

	G1	G2	G3
G1	100		
G2	95	100	
G3	73	83	100

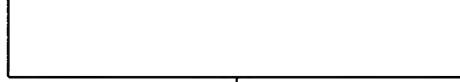
S<sub>C</sub>

**FIGURE 2-B**

	G1	G2	G3
G1	100		
G2	97	100	
G3	70	86	100

	G1	G2	G3
G1	100		
G2	93	100	
G3	76	80	100

S<sub>1</sub>



S<sub>2</sub>

$$S_C = \frac{15S_1 + 6S_2}{15 + 6}$$

	G1	G2	G3
G1	100		
G2	96	100	
G3	72	84	100

S<sub>C</sub>

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**Figure 3-A**

	Experiment 1
Genotype 1	
Genotype 2	

$$\text{Similarity coefficient} = \frac{2}{3} = 66\%$$

	Experiment 1
Genotype 1	
Genotype 3	

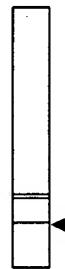
$$\text{Similarity coefficient} = \frac{3}{4} = 75\%$$

	Experiment 1
Genotype 2	
Genotype 3	

$$\text{Similarity coefficient} = \frac{2}{4} = 50\%$$

**Similarity matrix**

	Gen 1	Gen 2	Gen 3
Gen 1	100		
Gen 2	66	100	
Gen 3	75	50	100

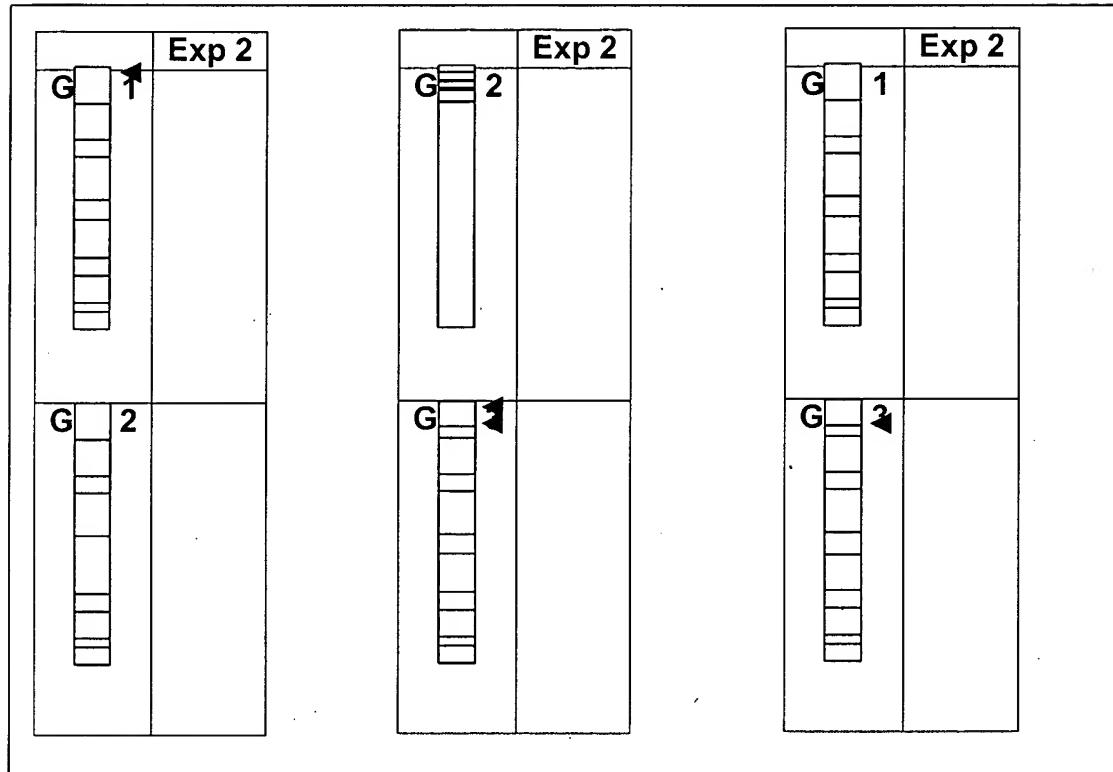


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Figure 3-B



[1]

[2]

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	Experiment 1		
	Gen 1	Gen 2	Gen 3
Gen 1	100		
Gen 2	66	100	
Gen 3	75	50	100

	Experiment 2		
	Gen 1	Gen 2	Gen 3
Gen 1	100		
Gen 2	88	100	
Gen 3	90	80	100

[3]

	Gen1	Gen2	Gen3
Gen1	100		
Gen2	$\frac{(3 \times 66) + (9 \times 88)}{3 + 9} = 83\%$	100	
Gen3	$\frac{(4 \times 75) + (10 \times 90)}{4 + 10} = 86\%$	$\frac{(4 \times 50) + (10 \times 80)}{4 + 10} = 71\%$	100

FIGURE 4

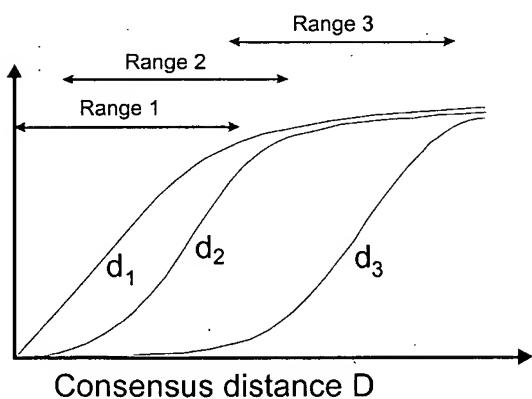
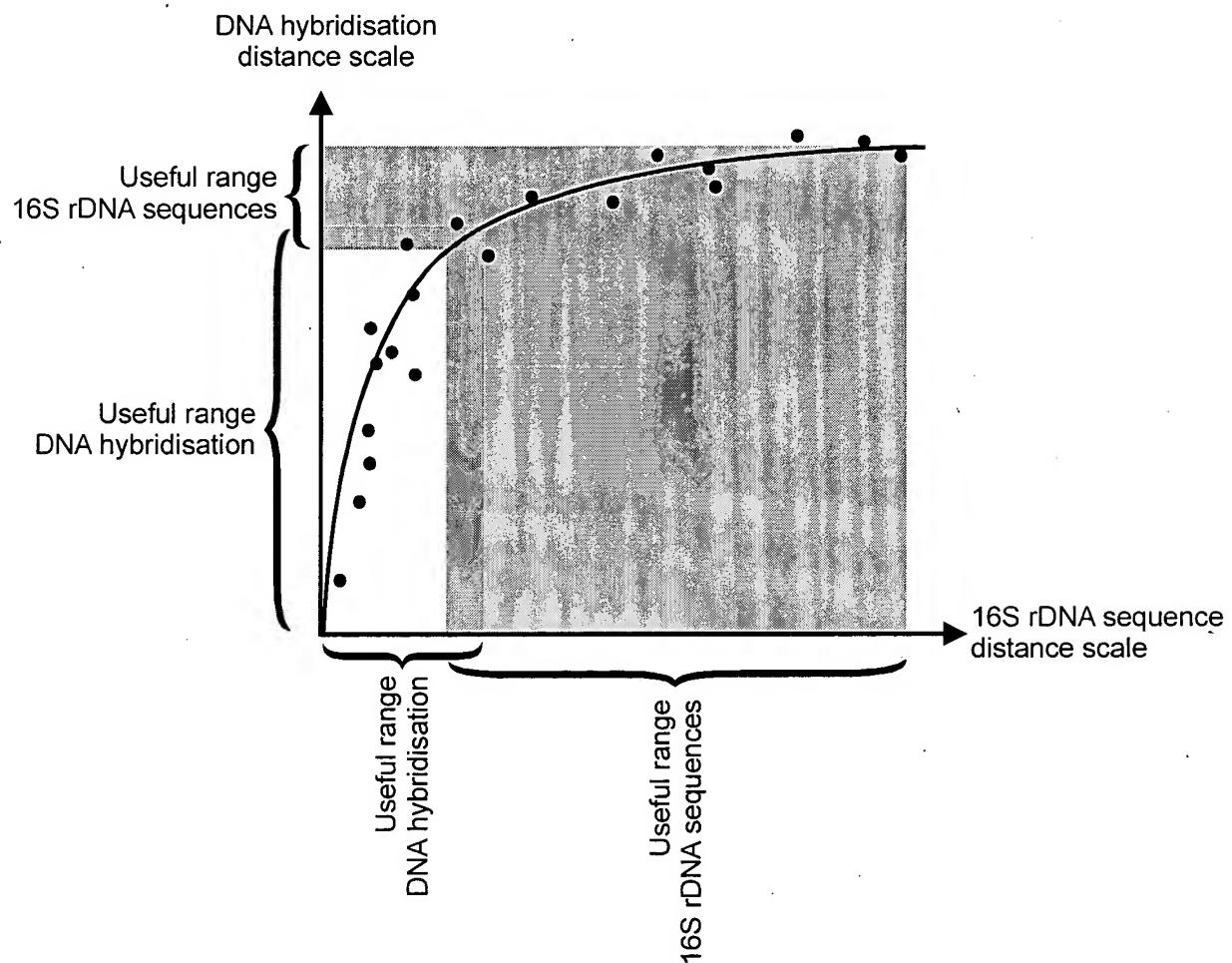


FIGURE 5A

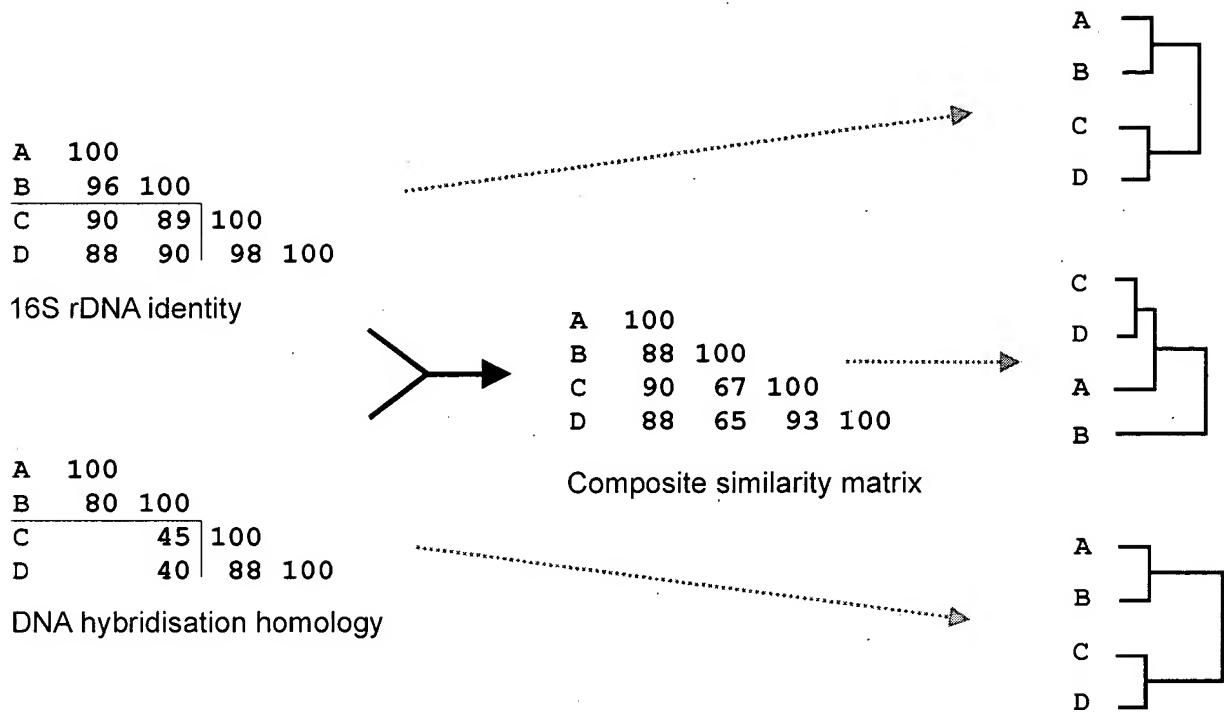


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FIGURE 5B



A METHOD FOR OBTAINING CONSENSUS CLASSIFICATIONS AND  
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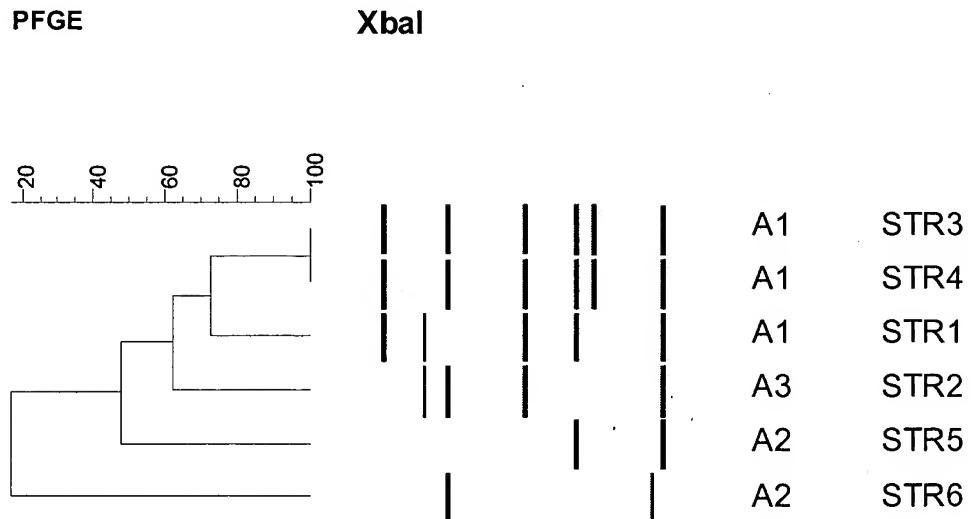
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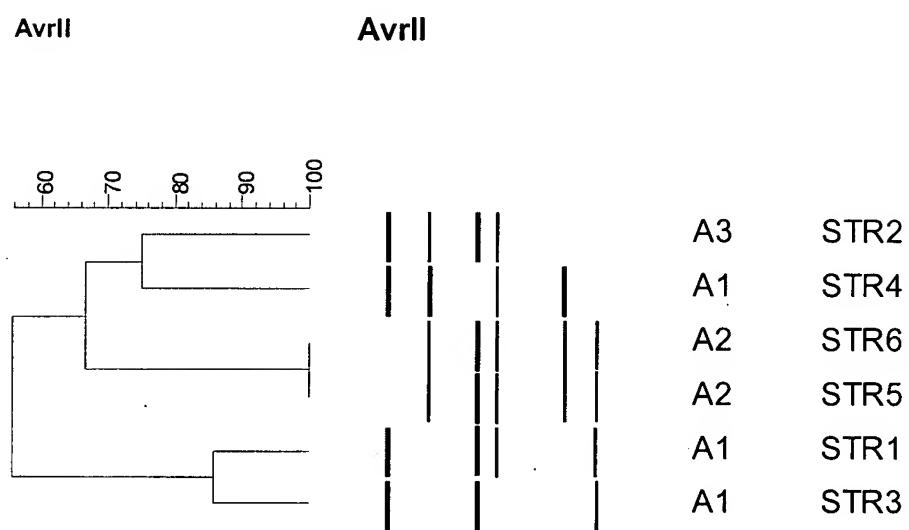
**FIGURE 6**

Strain	Serotype	PFGE - XbaI	PFGE - AvrII
STR1	A2		
STR2	A1		
STR3	A1		
STR4	A2		
STR5	A3		
STR6	A1		

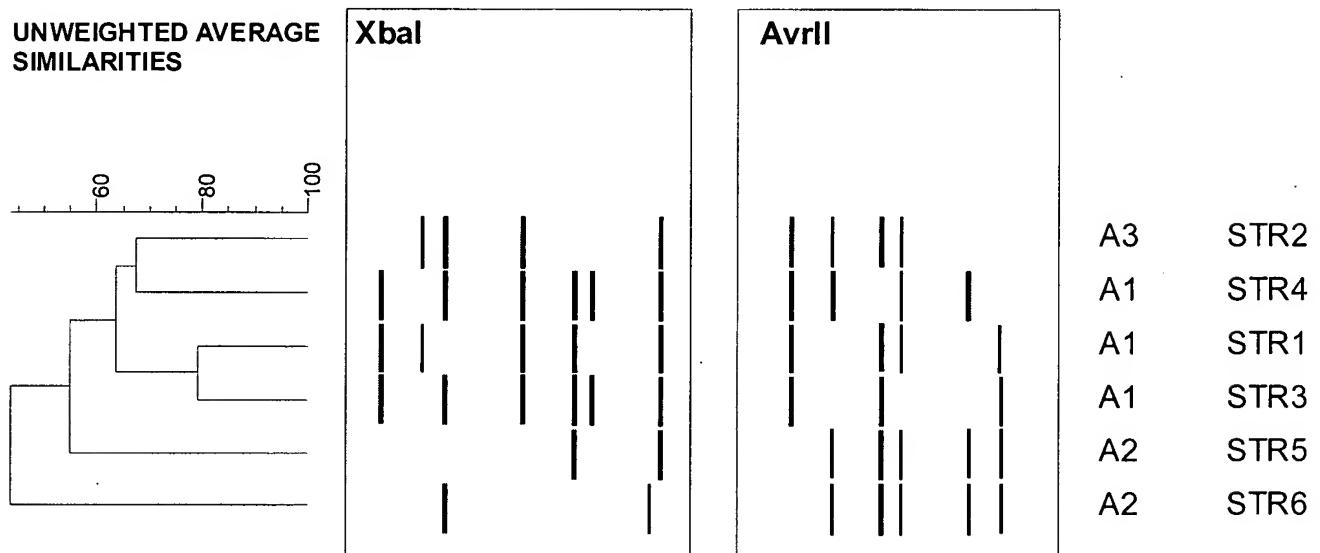
**FIGURE 7**



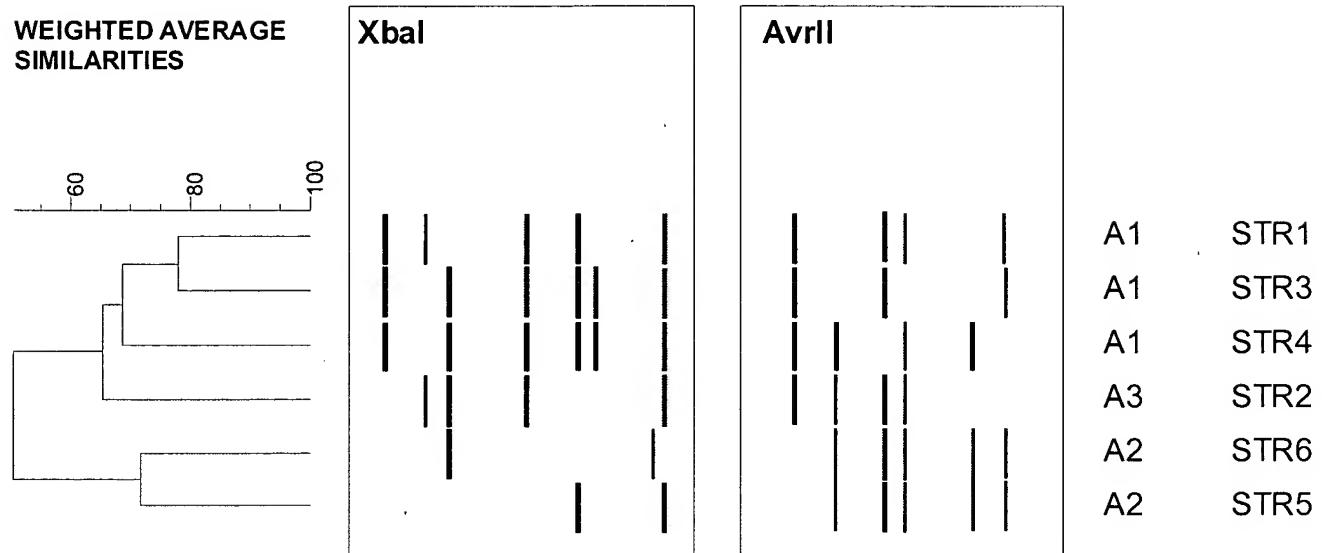
**FIGURE 8**



**FIGURE 9**



**FIGURE 10**

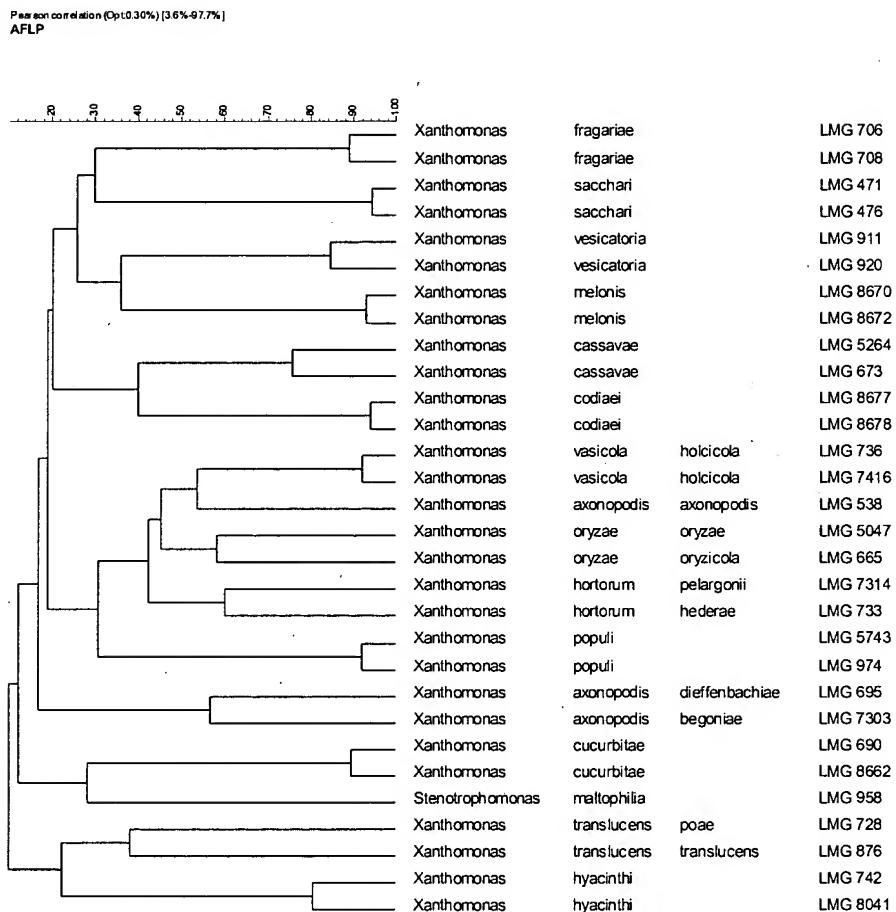


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FIGURE 11

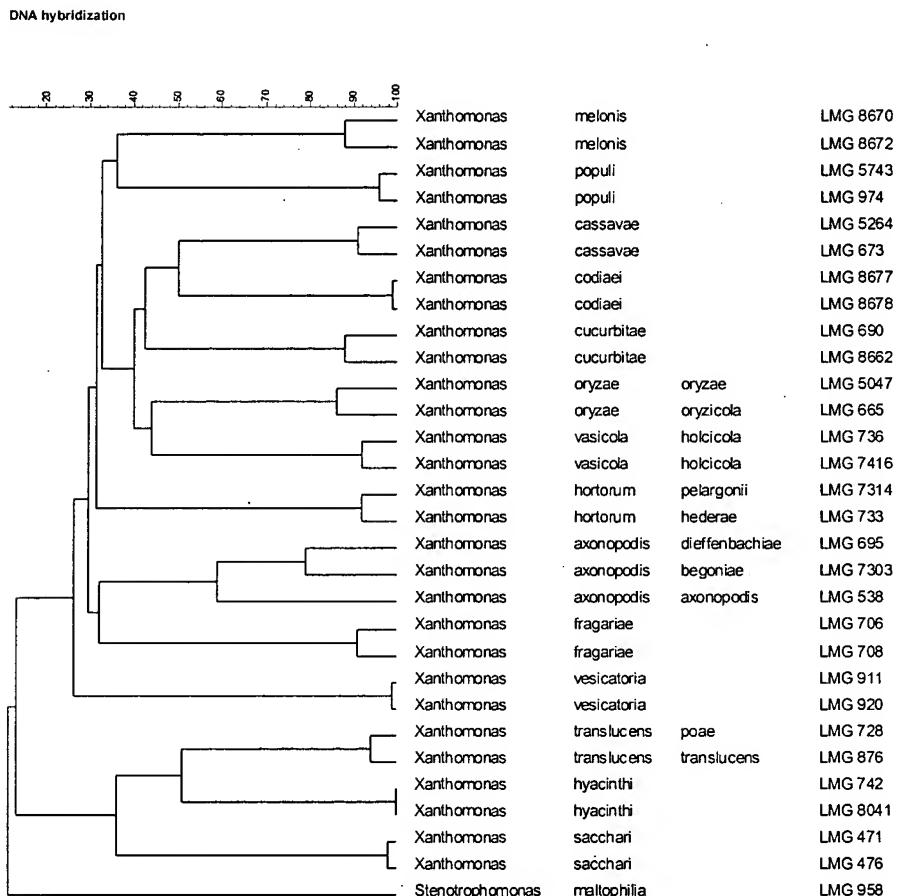


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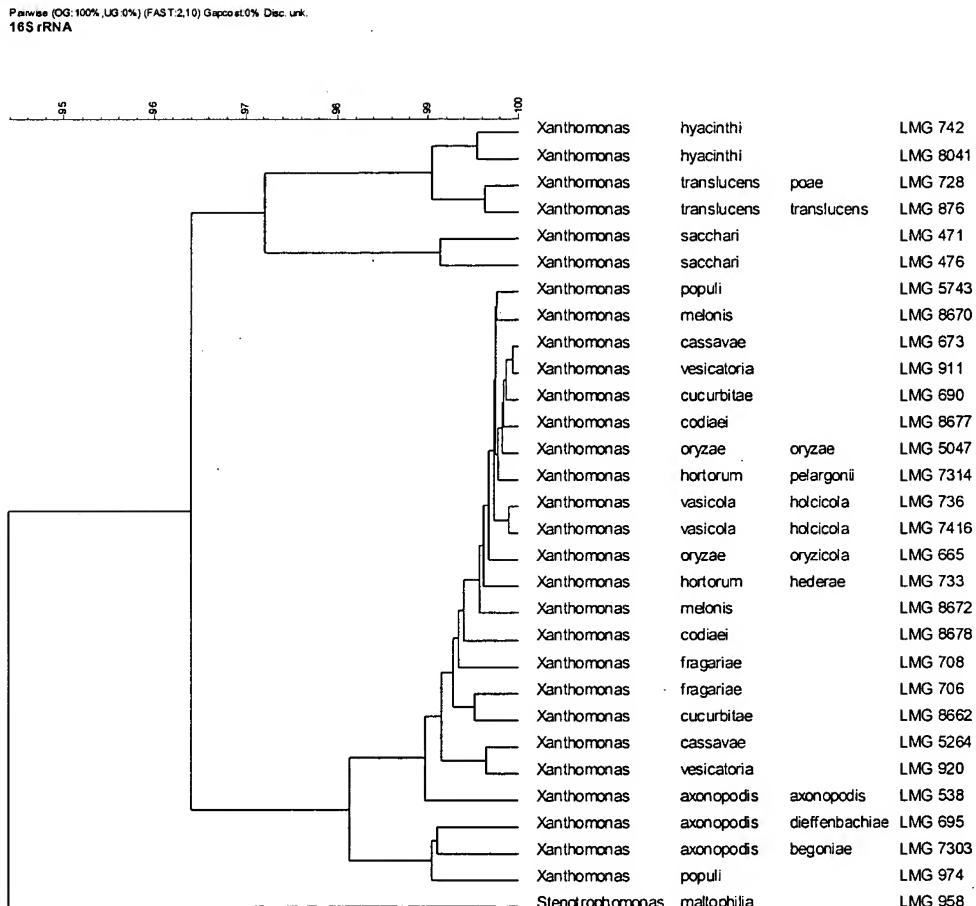
**FIGURE 12**



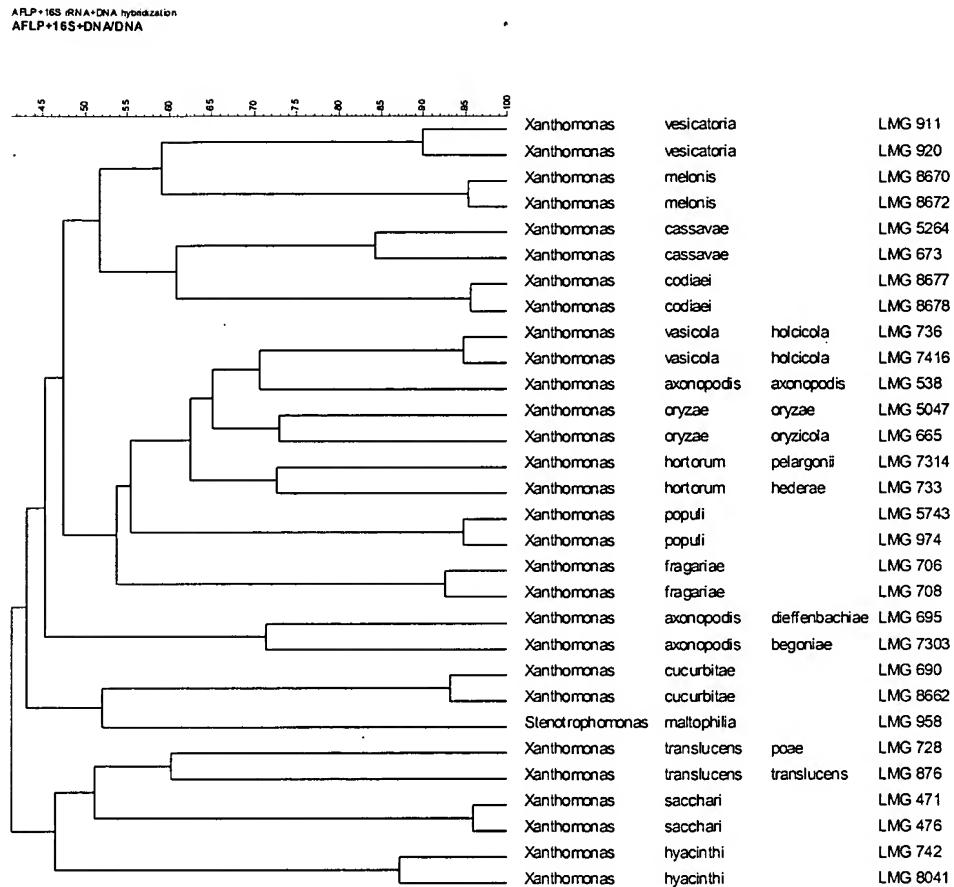
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FIGURE 13



**FIGURE 14**



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FIGURE 15

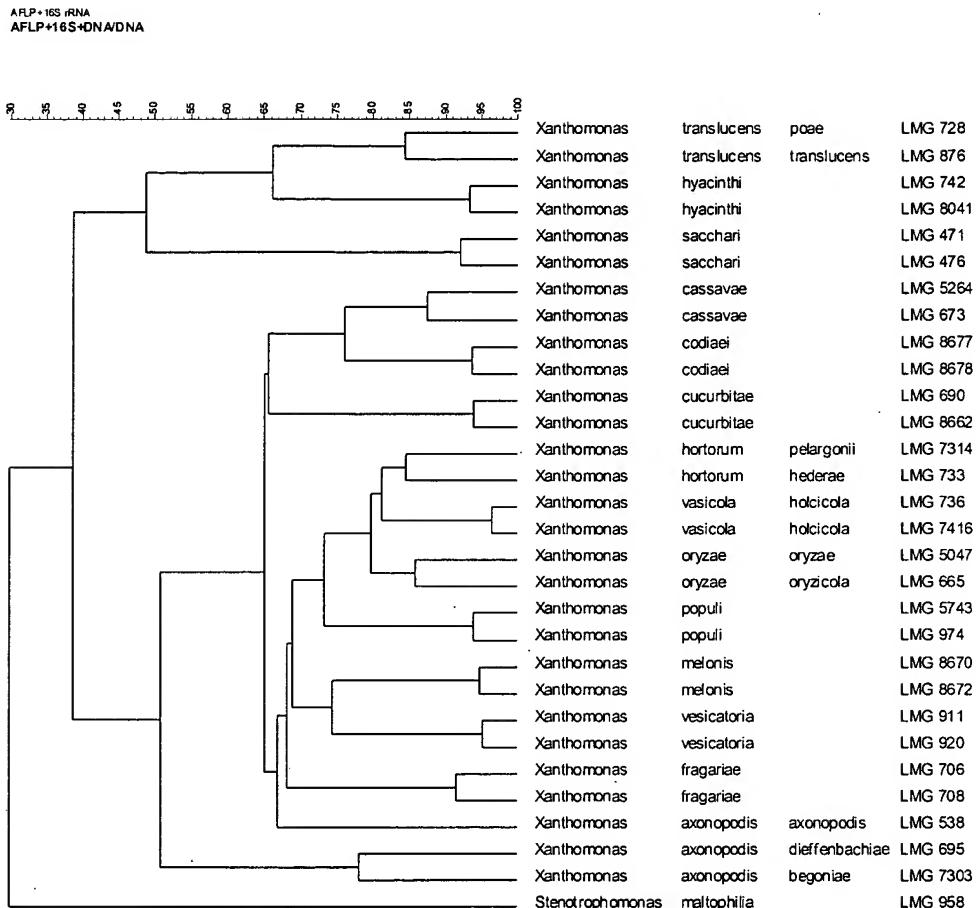
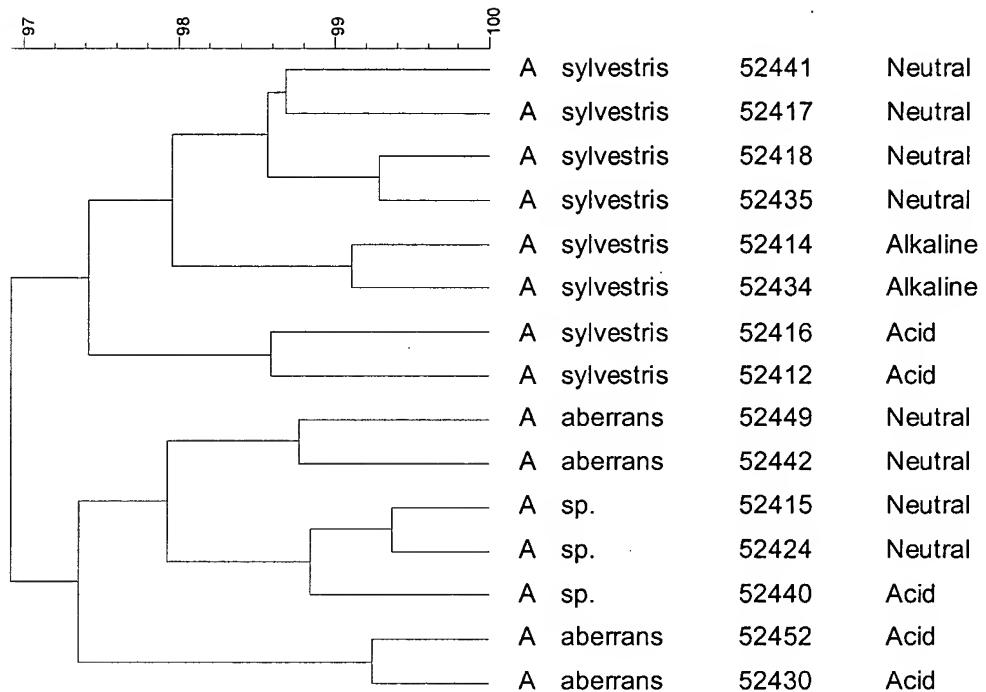


FIGURE 16

Euclidian distance  
FAME

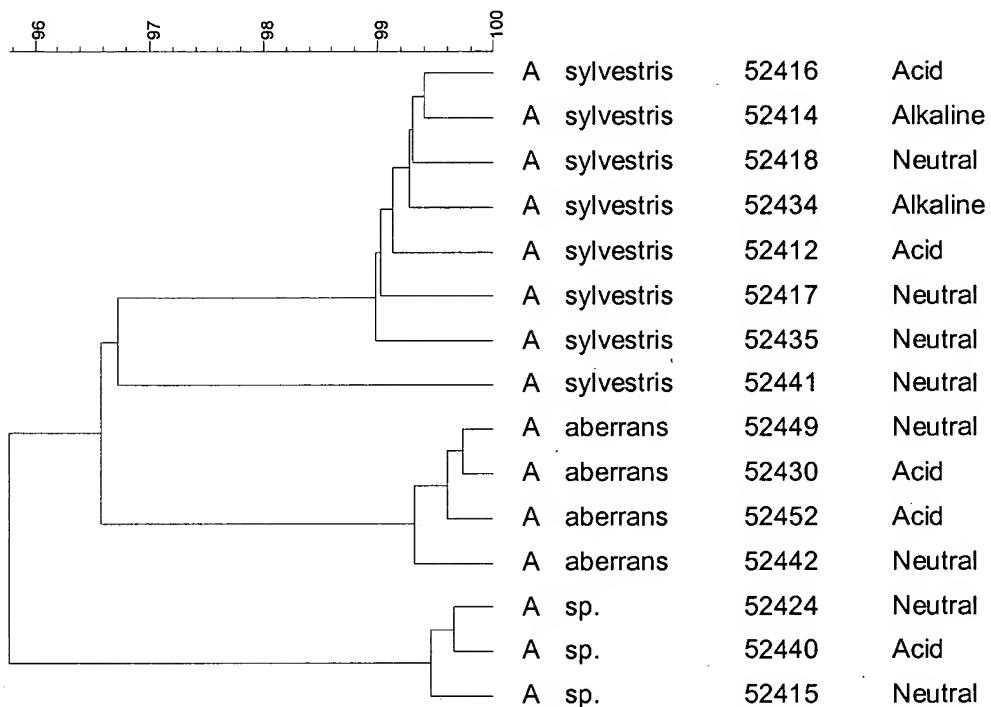


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FIGURE 17

Pairwise (OG:100%, UG:0%) (FAST:2,10) Gapcost:0%  
Histon H3



## FIGURE 18

FAME+Histon H3  
Composite

